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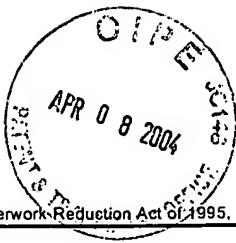
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**STATEMENT UNDER 37 CFR 3.73(b)**

Applicant/Patent Owner: Bodo Ehlers, et al.  
Application No./Patent No.: 10/661,324 Filed/Issue Date: September 12, 2003  
Entitled: APPARATUS FOR SHAPING THE OUTPUT BEAMS OF ONE OR MORE SEMICONDUCTOR LASERS  
Fraunhofer USA, Inc., a Michigan  
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or  
2. ☐ an assignee of less than the entire right, title and interest.  
The extent (by, percentage) of its ownership interest is \_\_\_\_\_ %

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☒ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

3123104  
Date

FRAUNHOFER USA, INC.  
By: Stefan Heinemann, Executive Director  
Typed or printed name  
[Signature]  
Signature  
Executive Director, Laser Technology  
Title

## ASSIGNMENT

WHEREAS, we, BODO EHLERS of Plymouth, Michigan, STEFAN HEINEMANN, of Ann Arbor, Michigan, and FALK DOERFEL, of Ann Arbor, Michigan, have invented an APPARATUS FOR SHAPING THE OUTPUT BEAMS OF ONE OR MORE SEMICONDUCTOR LASERS, for which invention we have made application for Letters Patent of the United States of America; and

WHEREAS, FRAUNHOFER USA, INC., a corporation organized and existing under the laws of the State of Michigan and having its principal place of business at 46025 Port Street, Plymouth, Michigan 48170, desires to acquire the entire right, title and interest in and to said invention, as well as the applications therefor and any patents resulting therefrom;

NOW, THEREFORE, for and in consideration of the sum of One Dollar (\$1.00) and other good and valuable considerations, the receipt and sufficiency of which is hereby acknowledged, we, BODO EHLERS, STEFAN HEINEMANN, and FALK DOERFEL, do hereby sell, assign and transfer unto said corporation, its successors, assigns, or other legal representatives, all right, title, and interest in the United States of America and all foreign countries in and to the inventions and discoveries set forth in United States Patent Application Serial No. 10/661,324, filed September 12, 2003 (FHN-106-B); PCT Patent Application Serial No. PCT/US 03/28686, filed September 12, 2003 (FHN-106-B-PCT); and Provisional Patent Application Serial No. 60/410,212, filed September 12, 2002 (FHN-106-A), including the right of FRAUNHOFER USA, INC., its successors, assigns or other legal representatives to make applications and receive Letters Patent for said inventions and discoveries in any and all foreign countries in its own name, or in our names, at its election, and we do hereby assign, sell and set over to FRAUNHOFER USA, INC., its successors, assigns or other legal representatives, all rights of priority in and to said inventions and discoveries in all countries.

For said considerations we hereby covenant and agree that we are the owners of the full title herein assigned and have the right to assign the same, and agree that we will communicate to FRAUNHOFER USA, INC., or its representatives, any facts known to us respecting said invention or inventions and testify in any legal proceedings relating thereto when called upon, and will sign all instruments and documents and render such assistance which in the judgment of said corporation is necessary to vest in it and protect the legal title sought to be assigned.

We authorize and empower FRAUNHOFER USA, INC., its successors, assigns, or other legal representatives or nominees, to invoke and claim for any application for patent or other form of protection of the inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from us.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of the assignee or nominee to

claim the aforesaid benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it.

Dated: 3/30/04

Bodo Ehlers  
Bodo Ehlers

Dated: 3/30/04

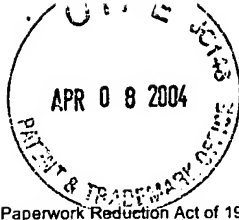
Stefan Heinemann  
Stefan Heinemann

Dated: 3/30/04

Falk Doerfel  
Falk Doerfel

After recordation return this Assignment to:

Christopher A. Mitchell  
YOUNG & BASILE, P.C.  
3001 West Big Beaver Road, Suite 624  
Troy, Michigan 48064-3107



PTO/SB/81 (05-03)

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**POWER OF ATTORNEY OR  
AUTHORIZATION OF AGENT**

Application Number	10/661,324
Filing Date	9-12-03
First Named Inventor	Ehlers
Title	APPARATUS FOR SHAPING THE OUTPUT BEAMS OF ONE OR MORE SEMICONDUCTOR LASERS
Art Unit	
Examiner Name	
Attorney Docket Number	FHN-106-B

I hereby appoint:

☐ Practitioners at Customer NumberPlace Customer  
Number Bar Code  
Label here

OR

☒ Practitioner(s) named below:

Name	Registration Number
Marshall G. MacFarlane	30,403
Christopher A. Mitchell	40,729
Todd L. Moore	36,874
Daniel J. Kelly	55,322

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please change the correspondence address for the above-identified application to:

☐ The above-mentioned Customer Number.

OR

☐ Practitioners at Customer Number.Place Customer  
Number Bar Code  
Label here

OR

<input checked="" type="checkbox"/> Firm or Individual Name					
Address	YOUNG & BASILE, P.C.				
Address	3001 West Big Beaver Road, Suite 624				
City	Troy	State	MI	Zip	48084-3107
Country	USA				
Telephone	734/662-0270	Fax	734/662-1014		

I am the:

☐ Applicant/Inventor.☒ Assignee of record of the entire interest. See 37 CFR 3.71.  
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).**SIGNATURE of Applicant or Assignee of Record**

Name	FRAUNHOFER USA, INC., By: Stefan Heinemann, Executive Director, Laser Technology		
Signature			
Date	3/23/04	Telephone	734-354-6300 x 810

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

☒ \*Total of 1 forms are submitted.

This collection of information is required by 37 CFR 1.31 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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**DECLARATION FOR UTILITY OR  
DESIGN  
PATENT APPLICATION  
(37 CFR 1.63)**Declaration  
Submitted  
With Initial  
Filing

OR

Declaration  
Submitted after Initial  
Filing (surcharge  
(37 CFR 1.16 (e))  
required)

Attorney Docket Number

FHN-106-B

First Named Inventor

Ehlers

COMPLETE IF KNOWN

Application Number

10/661,324

Filing Date

9-12-03

Art Unit

Examiner Name

I hereby declare that:

Each inventor's residence, mailing address, and citizenship are as stated below next to their name.

I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**APPARATUS FOR SHAPING THE OUTPUT BEAMS OF ONE OR MORE  
SEMICONDUCTOR LASERS**

(Title of the Invention)

the specification of which



is attached hereto

OR



was filed on (MM/DD/YYYY)

09-13-03

as United States Application Number or PCT International

Application Number

10/661,324

and was amended on (MM/DD/YYYY)



(if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				Yes	No
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

(Page 1 of 2)

This collection of information is required by 37 CFR 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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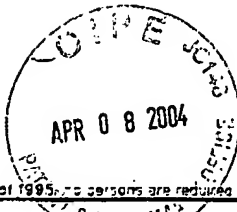
<b>DECLARATION</b>	<b>ADDITIONAL INVENTOR(S)</b> Supplemental Sheet
Page <u>1</u> of <u>1</u>	

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
FALK		DOERFEL	
Inventor's Signature <i>Falk Doerfel</i>		Date <i>4/2/04</i>	
Residence: City Ann Arbor	State MI	Country USA	Citizenship Germany
Mailing Address 2350 Lancashire, Apt. 1B			
Mailing Address:			
City Ann Arbor	State MI	Zip 48105	Country USA
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Inventor's Signature			
Residence: City	State	Country	Citizenship
Mailing Address			
Mailing Address:			
City	State	Zip	Country
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Inventor's Signature		Date	
Residence: City	State	Country	Citizenship
Mailing Address			
Mailing Address:			
City	State	Zip	Country

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.83. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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DATE



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**DECLARATION — Utility or Design Patent Application**

Direct all correspondence to: <input type="checkbox"/> Customer Number or Bar Code Label <input type="text"/> OR <input checked="" type="checkbox"/> Correspondence address below			
Name <b>Christopher A. Mitchell</b>			
Address <b>3001 West Big Beaver Road, Suite 624</b>			
City <b>Troy</b>	State <b>MI</b>	ZIP <b>48084-3107</b>	
Country <b>USA</b>	Telephone <b>734/662-0270</b>	Fax <b>734/662-1014</b>	
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.			
NAME OF SOLE OR FIRST INVENTOR:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any)) <b>BODO</b>		Family Name or Surname <b>EHLERS</b>	
Inventor's Signature 		Date <b>04/02/04</b>	
Residence: City <b>Canton</b>	State <b>Michigan</b>	Country <b>USA</b>	Citizenship <b>Germany</b>
Mailing Address <b>43314 Pepperwood</b>			
City <b>Canton</b>	State <b>Michigan</b>	ZIP <b>48187</b>	Country <b>USA</b>
NAME OF SECOND INVENTOR:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any)) <b>STEFAN</b>		Family Name or Surname <b>HEINEMANN</b>	
Inventor's Signature 		Date <b>11/21/04</b>	
Residence: City <b>Ann Arbor</b>	State <b>Michigan</b>	Country <b>USA</b>	Citizenship <b>Germany</b>
Mailing Address <b>2451 Traver Boulevard</b>			
City <b>Ann Arbor</b>	State <b>Michigan</b>	ZIP <b>48195</b>	Country <b>USA</b>
<input checked="" type="checkbox"/> Additional inventors or a legal representative are being named on the 1 supplemental sheet(s) PTO/SB/02A or 02LR attached hereto.			

SIGN  
& DATE

SIGN  
& DATE